

Notice of Allowability	Application No.	Applicant(s)	
	10/691,900	YOCK, PAUL G.	
	Examiner	Art Unit	
	Jaworski Francis J.	3768	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amdt filed 3/23/06.
2. ☒ The allowed claim(s) is/are 1 - 8.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

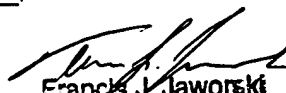
* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 05-22-06.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>05-22-06</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |


 Francis J. Jaworski
 Primary Examiner

5-22-06

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Notification for this examiner's amendment was provided in a telephone interview callback to Eugene Worley, Reg. No. 47,186 on 22 May 2006.

The application has been amended as follows:

In para [0037] line 4 from last before " 52 " has been added -- assembly -- in order to consistently distinguish legends 51 and 52.

In claim 6 line first, dependency has been changed from " 6 " to -- 5 -- .

The following changes to the drawings is required by the Examiner:

In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

Figure 6 should be amended to omit depiction of remote motorized rotating mechanical drive to crystal assembly 52, i.e. depiction of the slip ring connectors and remote motor while maintaining the torque-permitting cable depiction as non-rotatable with respect to the housing and containing electrical connection to the crystal assembly 52 as per paragraph [0038] discussion with distal micromotor control of assembly motion.

The following is an examiner's statement of reasons for allowance: Suwaki et al (US4,375,818) discussed variously the incorporation of a motor to oscillate a transducer

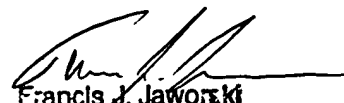
in an endoscope tip. Crowley et al is directed to a motorized cutter and catheter and cites Suwaki et al as a previous mode of motorization for a transducer. However Suwaki et al discusses a non-rotating ultrasound catheter as a prior art alternative and Crowley et al implements only a remote motorized device for a mechanical drive, see drive motor 20 of Fig. 1, and braided shield 36 is incorporated into the mechanical drive and not exterior of the tubular member. Accordingly the prior art does not teach or suggest an imaging catheter having an elongate tubular member with a braided magnetic shield disposed on its exterior, together with a flexible cable disposed within the tubular member and electrically coupled with the imaging device, and with a distally disposed micromotor coupled to rotate the imaging device.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication should be directed to Jaworski Francis J. at telephone number 571-272-4738.

FJJ:fjj

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Francis J. Jaworski
Primary Examiner